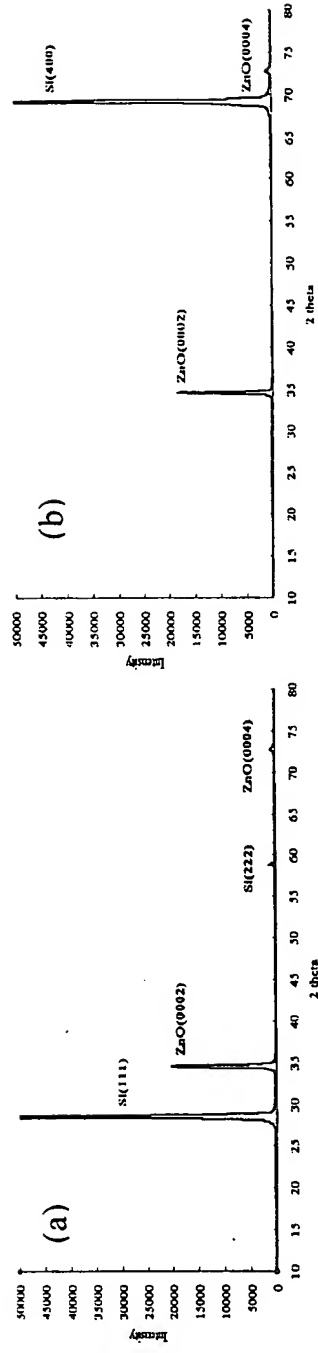


(a)
Prior Art

(b)

FIG. 1



(b)

(a)

FIG. 2(a) & (b)

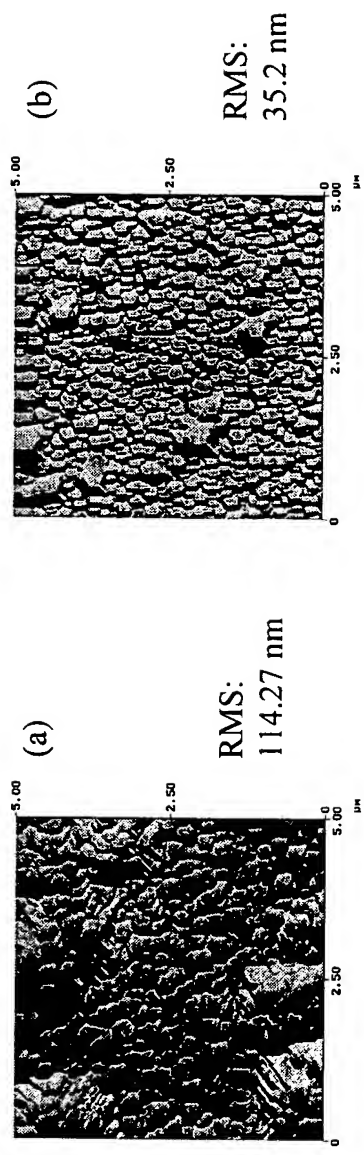


FIG. 3(a) & (b)

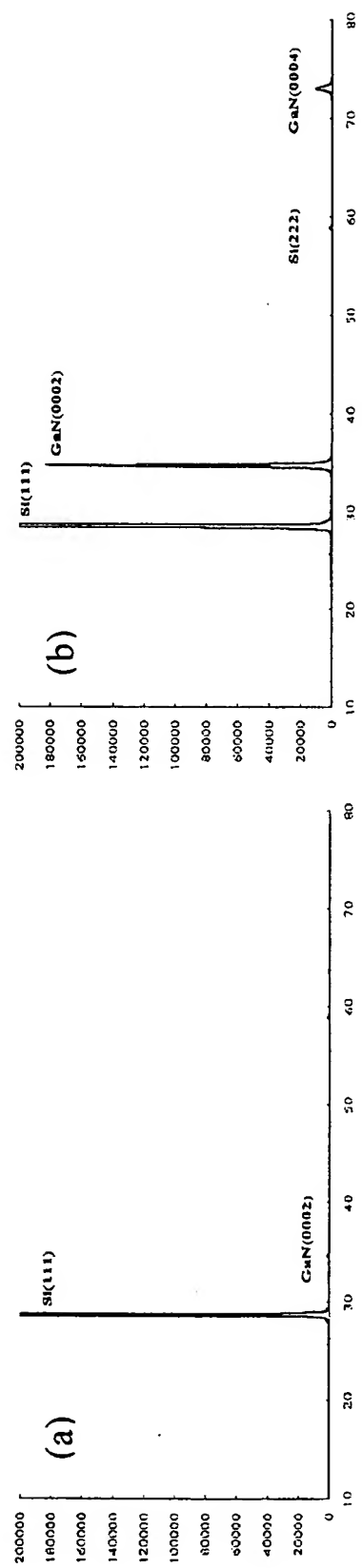
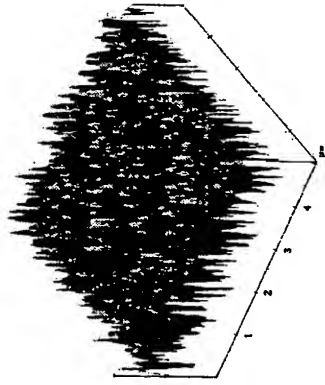
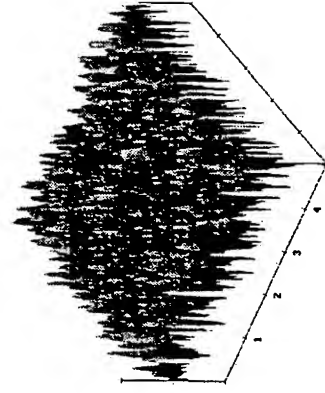


FIG. 4(a) & (b)



(a) RMS: 4.6 nm



b) RMS: 4.7 nm

FIG. 5

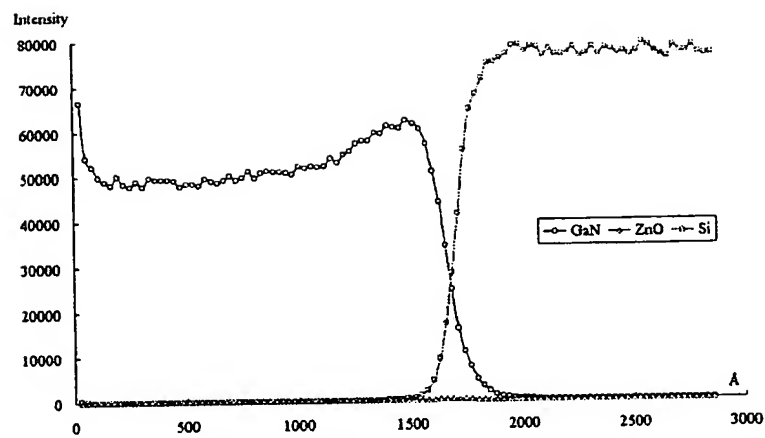


FIG. 6

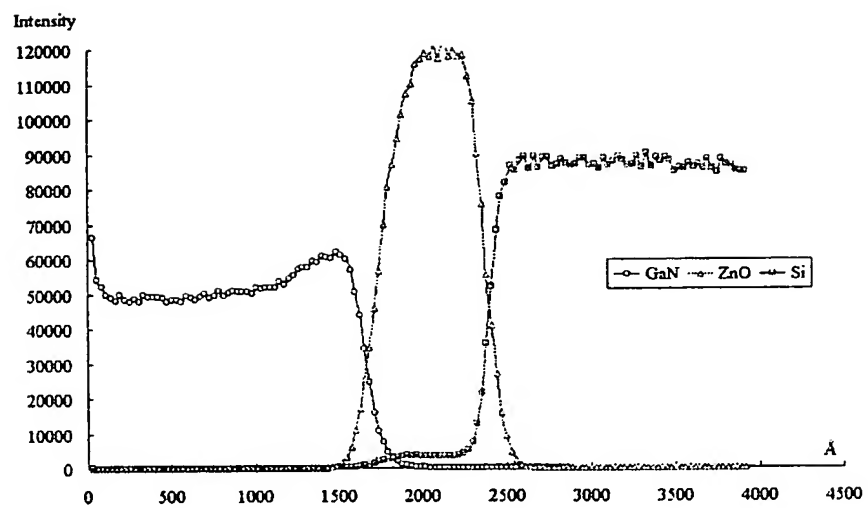
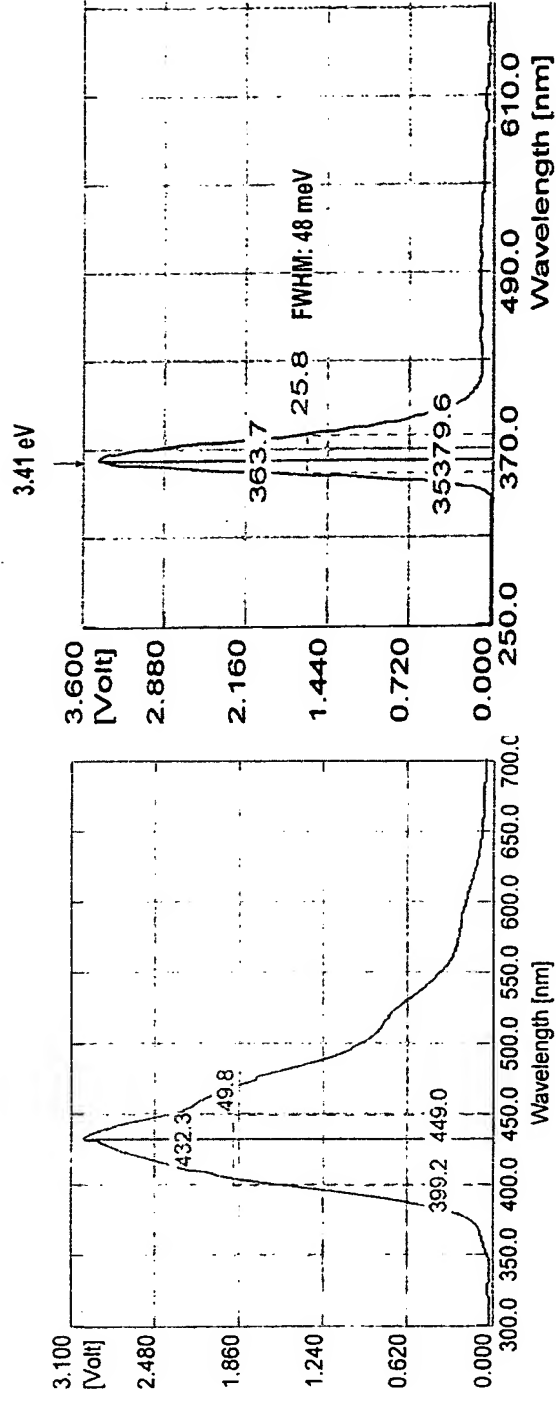


FIG. 7

Room Temperature PL of GaN/ZnO/Si



PL spectrum of GaN/ZnO/Si

PL spectrum of GaN on bare Si

(a)

(b)

FIG. 8 (a) & (b)